

## **Linear Induction Accelerator Approach for Advanced Radiography**

George Caporaso  
Lawrence Livermore National Laboratory  
Livermore, CA 94550

New developments in accelerator technology will make it possible to build a single induction accelerator that can provide at least four simultaneous lines of sight for flash x-ray radiography of imploding objects. A new pulsed power architecture will make it possible to pulse the accelerator at rates on the order of 1 MHz. so that multiple snapshots can be taken on each line of sight while the object under study is imploding. The beam distribution and pulsed power technology required for this system will be discussed.

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